

Date: Mon, 5 Sep 94 04:03:42 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #994  
To: Info-Hams

Info-Hams Digest                      Mon, 5 Sep 94                      Volume 94 : Issue 994

## Today's Topics:

(none)  
2M vs 70 cm  
Antenna switches  
A Repeater on 147.555?!?  
GMSR radio to 70cm?  
IPS Daily Report - 04 September 94  
Is FM 'real' amateur radio? (3 msgs)  
Lightning Bolt Antennas  
MIR Space Station in Trouble (2 msgs)  
Need citation to FCC Part 15 rules  
Need source for tubes  
Origin of "Elmer"?  
pizza reflectors? or bunk? (2 msgs)  
Repeater Controller  
What is an ELMER?????  
Which is the "best" flea market?  
Zia Information

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: 5 Sep 94 05:42:43 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: (none)  
To: info-hams@ucsd.edu

unsubscribe [daveb@soliton.physics.arizona.edu](mailto:daveb@soliton.physics.arizona.edu)

-----  
Date: 2 Sep 1994 06:24:03 GMT  
From: ihnp4.ucsd.edu!usc!sol.ctr.columbia.edu!s-cwis.unomaha.edu!crcnis1.unl.edu!  
unlinfo.unl.edu!mcduffie@network.ucsd.edu  
Subject: 2M vs 70 cm  
To: info-hams@ucsd.edu

jbs@duke.edu (Joe B. Simpson) writes:

>It is a good time to buy an HTX-202. I just got a rat Shack flyer yesterday  
>with a sale price of \$199 advertised.

Say what? Last time, it was \$188!

gm

-----  
Date: Sun, 4 Sep 1994 14:28:20 GMT  
From: ihnp4.ucsd.edu!agate!usenet.ins.cwru.edu!lerc.nasa.gov!magnus.acs.ohio-  
state.edu!csn!cmacleod@network.ucsd.edu  
Subject: Antenna switches  
To: info-hams@ucsd.edu

Does anyone know where I might find panel mount coax antenna switches?

Thanx,  
73 - Chris WB0YRI

-----  
Date: 4 Sep 1994 15:37:17 -0700  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!gatech!udel!news.sprintlink.net!  
rain.org!rain.org!not-for-mail@network.ucsd.edu  
Subject: A Repeater on 147.555?!?  
To: info-hams@ucsd.edu

For several years, I've used 147.555 MHz for local FM simplex with a small  
group of friends. Most of the time the frequency was clear of QRM.

But recently a repeater with apparently high coverage in the Los Angeles  
area has appeared on 147.555, and QRMs our ragchews in Santa Barbara.

This repeater uses 146.535 as an input. Both 147.555 and 146.535 are listed  
as FM simplex frequencies in the ARRL band plan.

This repeater's ID'er uses the callsign of W6FP.

Getting tired of the interference, I got on this repeater, and nicely complained to one of it's control operators. He was fairly courteous; he invited me to use the repeater, and apologized for the interference, but did not offer to resolve the problem.

I informed the control operator that both 146.535 and 147.555 were intended for FM simplex, under the ARRL band plan. He stated that several local ARRL Official Observers had approved the non-standard repeater frequencies.

Do the "suggested" Band Plans have any meaning any more?! What next: FM packet nodes on 144.200 or CW QSOs on repeater inputs?

Yes, all of the conventional 2 meter repeater pairs in Southern California are all used up, and repeater-to-repeater interference is common. But does every Ham have a right to have his own repeater? With our crowded, limited VHF spectrum, I believe we all should use FM simplex or SSB whenever possible.

Evidently, the local "co-ordinating" group for 2 meters in California, TASMA, is having some organizational problems, and will not currently be of much help, or so I'm informed.

Any comments or suggestions? While your area may not currently have such problems, it may soon happen, due to the tremendous popularity of the No-Code license.

Thanks for reading and 73 from Leigh/KM6JE in Santa Barbara.

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Date: Sun, 4 Sep 1994 17:36:55 GMT  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!EU.net!news.eunet.fi!krk!  
krksun.krk.fi!lakki@network.ucsd.edu  
Subject: GMSR radio to 70cm?  
To: info-hams@ucsd.edu

Hello!

I wonder have anyone tried to modify a GMRS - handie talkie to 70cm?

Are the radios for GMRS crystal controlled or what?

The price rate, abt \$100 seems to be a right rate for a 1ch 70cm radio, to monitor and operate a local repeater.

Please e-mail if you know anything!

/Erik

--

E R I K F I N S K A S OH2LAK

-----  
InterNet: Lakki@krk.fi TELE: Jo puoli miljoonaa  
Lakki@muncca.fi vihaista NMT-GSM soittelijaa  
Amateur Packet: OH2LAK@OH2RBJ.FIN.EU Radiolinja on paljon huonompi  
----- kuin me.

Puh.k.90-803 8404 a.940-500 6800 RL: Tele on paljon meit{ huonompi.  
t.90-693 1107 a.950-555 0551 Me ollaan ehdottomasti parempi.

-----  
Date: Sun, 4 Sep 1994 23:19:23 GMT  
From: ihnp4.ucsd.edu!agate!msuinfo!harbinger.cc.monash.edu.au!news.cs.su.oz.au!  
metro!ipso!rwc@network.ucsd.edu  
Subject: IPS Daily Report - 04 September 94  
To: info-hams@ucsd.edu

SUBJ: IPS DAILY SOLAR AND GEOPHYSICAL REPORT  
ISSUED AT 04/2330Z SEPTEMBER 1994 BY IPS RADIO AND SPACE SERVICES  
FROM THE REGIONAL WARNING CENTRE (RWC), SYDNEY.  
SUMMARY FOR 04 SEPTEMBER AND FORECAST FOR 05 SEPTEMBER - 07 SEPTEMBER  
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1A. SOLAR SUMMARY

Activity: very low

Flares: none.

Observed 10.7 cm flux/Equivalent Sunspot Number : 94/40

GOES satellite data for 03 Sep

Daily Proton Fluence >1 MeV: 2.0E+05

Daily Proton Fluence >10 MeV: 1.5E+04

Daily Electron Fluence >2 MeV: 2.5E+06

X-ray background: B1.8

Fluence (flux accumulation over 24hrs)/ cm2-ster-day.

1B. SOLAR FORECAST

	05 Sep	06 Sep	07 Sep
Activity	Low	Low	Low
Fadeouts	None expected	None expected	None expected

Forecast 10.7 cm flux/Equivalent Sunspot Number for 05 Sep: 92/37  
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## 2A. MAGNETIC SUMMARY

Geomagnetic field at Learmonth: quiet to unsettled

Estimated Indices :	A	K	Observed A Index 03 Sep
Learmonth	8	3221 2322	
Fredericksburg	5		6
Planetary	5		5

Observed Kp for 03 Sep: 2221 1111

## 2B. MAGNETIC FORECAST

DATE	Ap	CONDITIONS
05 Sep	8	Quiet to unsettled
06 Sep	12	Unsettled
07 Sep	16	Active

COMMENT: IPS Geomagnetic Warning 3 was issued on 4 September and is current for interval 7-10 September.

## 3A. GLOBAL HF PROPAGATION SUMMARY

### LATITUDE BAND

DATE	LOW	MIDDLE	HIGH
04 Sep	normal	normal	normal

PCA Event : None.

## 3B. GLOBAL HF PROPAGATION FORECAST

### LATITUDE BAND

DATE	LOW	MIDDLE	HIGH
05 Sep	normal	normal	fair
06 Sep	normal	normal	fair
07 Sep	normal	fair	poor

HF Comms are expected to be degraded after 6 September.

## 4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY

### Observed

DATE	T-index	MUFs at Sydney
04 Sep	33	near predicted monthly values

Predicted Monthly T-index for September: 20

## 4B. AUSTRALIAN REGION IONOSPHERIC FORECAST

DATE	T-index	MUFs
05 Sep	30	Near predicted monthly values
06 Sep	30	Near predicted monthly values
07 Sep	25	Near predicted monthly values

COMMENT: IPS HF Communications Warning 2 was issued on 4 September and is current for interval 7-10 September. Spread F observed during local night. HF comms conditions are expected to become degraded after 6 September.

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IPS Regional Warning Centre, Sydney	IPS Radio and Space Services
RWC Duty Forecaster tel: +61 2 4148329	PO Box 5606
Recorded Message tel: +61 2 4148330	West Chatswood NSW 2057
email: rwc@ips.oz.au fax: +61 2 4148331	AUSTRALIA

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Date: 4 Sep 1994 16:37:13 GMT  
From: ihnp4.ucsd.edu!usc!sol.ctr.columbia.edu!news.oberlin.edu!  
ocvaxa.cc.oberlin.edu!PRUTH@network.ucsd.edu  
Subject: Is FM 'real' amateur radio?  
To: info-hams@ucsd.edu

A philosophic question: Is FM amateur radio, particularly through repeaters, too 'easy' to be considered genuine amateur radio? IIs it necessary for a QSO to be DX to be a genuine QSO? And, ARRL and FCC pronouncements aside, what is the whole objective of getting into amateur radio? I would like to hear from the Prosecution as well as from the Defense re FM hamming, too. Thank you for your time and thoughts. --Bill Ruth, Oberlin, Ohio (waiting for license to arrive and contemplating big ham questions in the meanwhile...) Net posts rather than, or in addition to, personal replies might help clear the air (or add more fuel to the flames!)

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Date: Sun, 4 Sep 1994 23:43:57 GMT  
From: netcomsv!netcom.com!wa2ise@decwrl.dec.com  
Subject: Is FM 'real' amateur radio?  
To: info-hams@ucsd.edu

In article <34ct3p\$pv3@news.cc.oberlin.edu> pruth@ocvaxa.cc.oberlin.edu writes:  
>A philosophic question: Is FM amateur radio, particularly  
>through repeaters, too 'easy' to be considered genuine  
>amateur radio? IIs it necessary for a QSO to be DX to be  
>a genuine QSO?

Depends on what you want to do. Sure, repeater FM may seem too routine to someone chasing rare DX under lousy propagation, but you may want to rag-chew with your friend on the other side of town while mobile. The two activities don't interfere with each other, so who cares? I myself mostly do packet, recently posted several small picture files of the comet hitting Jupiter. A teacher in France said he's going to use those picture files in his science class, thanked me for posting 'em.

I see it as: "I won't pee on your tree if you don't pee on mine."

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Date: 5 Sep 1994 00:04:01 GMT  
From: ihnp4.ucsd.edu!swrinde!gatech!udel!news.sprintlink.net!dolphin.phoenix.net!  
phoenix.phoenix.net!biekert@network.ucsd.edu  
Subject: Is FM 'real' amateur radio?  
To: info-hams@ucsd.edu

Of course FM is real ham radio, we use FM on 10m and 6m and I have had many good 'DX' (out of the country) contacts on 10FM. Yes repeaters make it 'easy', so what, we use 70cm and 2m here to coordinate lots of events, flea markets, swap fests, public service etc. Sure we could use SSB or even packet or cw, but the preponderance is cheap FM rigs. Hey I have built 3 repeaters, from old commercial rigs, think I learned some things about FM, duplexers, tuning, interfacin.. you bet. That's hamming!

Some areas of the country are building amplitude compandered repeaters, good for them! Maybe someday some one will ask if AC is 'real' radio.

Congrats on waiting for your ticket..keep asking questions.. I've been a ham for 15 years and keep finding neat stuff to do. Like co-founding the local club, teaching classes, being a VE, building repeaters and linking them.. is that 'real' hamming? The mode AND the license class just don't matter. What matters is having fun, learning, trying, experimenting.. without that there will be no amateur radio.

Always keep the fun in ham radio! Don't waste times on politics, code vs no code, seek your level and have a blast!

73 de Bob in Houston Tx KA5GLX/R 442.750 KJ5AZ/R 444.275

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Robert E. Biekert KA5GLX Houston, Texas  
Email: bieker@phoenix.phoenix.net

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Date: Mon, 5 Sep 94 00:18:45 -0500  
From: news.delphi.com!usenet@uunet.uu.net  
Subject: Lightning Bolt Antennas  
To: info-hams@ucsd.edu

Bill Brannick <brannick@ix.netcom.com> writes:

>I would not count on this although... I probably just stumbled into the right  
>length of feedline, etc.

Length of feedline hath nothing to do with it.

-----  
Date: Sun, 4 Sep 1994 23:32:47 GMT  
From: ihnp4.ucsd.edu!galaxy.ucr.edu!library.ucla.edu!csulb.edu!csus.edu!  
netcom.com!wa2ise@network.ucsd.edu  
Subject: MIR Space Station in Trouble  
To: info-hams@ucsd.edu

In article <349n6i\$81k@freenet3.scri.fsu.edu> twright@freenet1.scri.fsu.edu (Tim Wright) writes:

>I read an article in our Local Thursday News Paper that the Station MIR  
>was having trouble with docking to its supply ship. Anybody have any  
>updated news on this? I don't have the article in front of me but  
>the article stated that about 3 more attempts would be made at docking  
>before any abort or abandoning MIR would be made.

Look over in the sci.space newsgroups. Last I heard, they succeeded on  
the 3rd try.

-----  
Date: 4 Sep 1994 18:08:47 -0500  
From: ihnp4.ucsd.edu!swrinde!gatech!newsxfer.itd.umich.edu!news.cic.net!  
news.plexus.com!news.plexus.com!not-for-mail@network.ucsd.edu  
Subject: MIR Space Station in Trouble  
To: info-hams@ucsd.edu

In <349n6i\$81k@freenet3.scri.fsu.edu> twright@freenet1.scri.fsu.edu (Tim Wright) writes:

>I read an article in our Local Thursday News Paper that the Station MIR  
>was having trouble with docking to its supply ship. Anybody have any  
>updated news on this? I don't have the article in front of me but  
>the article stated that about 3 more attempts would be made at docking  
>before any abort or abandoning MIR would be made.

I heard that they succeeded yesterday in docking. Astronauts were down to  
their last 3 weeks of supplies. If the docking failed, they would have needed  
to come back to earth. How (?) , I don't know.

--  
Daniel J. Fischer            | email:Dan.Fischer@plexus.com        | I'd rather |  
Technology Group Inc.       | Phone/Voicemail: (414) 751-3350 | be fishing!|  
P.O. Box 677                +-----+-----+-----+  
Neenah,WI,USA 54957-0677 | opinions/comments are mine - no-one else's |



-----  
Date: 4 Sep 94 21:42:28 GMT  
From: ihnp4.ucsd.edu!usc!nic-nac.CSU.net!csulb.edu!paris.ics.uci.edu!ucivax!  
gateway@network.ucsd.edu  
Subject: Need citation to FCC Part 15 rules  
To: info-hams@ucsd.edu

Anyone know the proper citation to the Part 15 rules? I need them to properly find / index the stuff. Multiple citations appreciated, will help me find them in any places they might be hiding!

I need this as I am helping in a local antenna case, I need to tell the City Attorney where to find the law that talks about Part 15 consumer devices (and that the city cannot legislate about RFI with such devices.....).

Clark  
WA3JPG

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Date: Sun, 4 Sep 1994 14:57:13 GMT  
From: ihnp4.ucsd.edu!swrinde!gatech!concert!hearst.acc.Virginia.EDU!murdoch!  
galen.med.Virginia.EDU!wkm2y@network.ucsd.edu  
Subject: Need source for tubes  
To: info-hams@ucsd.edu

Try Antique Electronics Supply. Sorry, I have misplaced their phone and address. The lady who answered the phone knew immediatley that my GZ34 rectifier tube had a Russian equivalent which I ordered about 10 days ago. If you can't find info on AES write me in a week or so- my tube should be here along with their catalog they said they'd send |-)

--  
73,

de Bill KE4JSU wkm2y@virginia.edu

-----  
Date: Sun, 04 Sep 94 13:52:25 GMT  
From: ihnp4.ucsd.edu!swrinde!emory!metro.atlanta.com!spcuna!news2.new-york.net!  
starcomm.overleaf.com!n2ayj!n2ayj@network.ucsd.edu  
Subject: Origin of "Elmer"?  
To: info-hams@ucsd.edu

>> Who started this "Elmer" stuff, anyway? Was I just hiding under a rock  
>> for the last 30 years?

>

I got my license in March, 1979 and Elmer was pretty strongly entrenched by then. It was so much a part of my initial exposure to ham radio that I have always assumed Elmer-ing was one of the grandest of ham traditions. I'm surprised (disappointed?) to find out that Elmer is such a young guy. ;-)

--

Stan Olochwoszcz, N2AYJ - n2ayj@n2ayj.overleaf.com

"This whole dot-dash concept sounds interesting, Mr. Vail. Why don't you let me look over your notes on the train to the Patent Office?" - S.F.B. Morse?

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Date: Sun, 04 Sep 94 14:11:12 GMT

From: ihnp4.ucsd.edu!swrinde!emory!metro.atlanta.com!spcuna!news2.new-york.net!starcomm.overleaf.com!n2ayj!n2ayj@network.ucsd.edu

Subject: pizza reflectors? or bunk?

To: info-hams@ucsd.edu

In article <1994Sep2.130707.18@lrc> white\_da@lrc.edu writes:

> So my question is what is this little tray made out of  
> and just what does it do? Does it just reflect the microwaves,  
> in which case it really does nothing because the bottom of the  
> oven is going to do that or does it focus the radiation? Or does  
> it just get really hot and brown the crust that way? I almost  
> could not get to sleep last night thinking of this. Some one  
> please help

It's a mystery, my son. It's meaning and purpose will be revealed when the time is right. In the meantime, just eat the pizza...

in the name of Elio, and of Jenò, and of Mama Celeste, MANGIA(sp?). :-)

--

Stan Olochwoszcz, N2AYJ - n2ayj@n2ayj.overleaf.com

"This whole dot-dash concept sounds interesting, Mr. Vail. Why don't you let me look over your notes on the train to the Patent Office?" - S.F.B. Morse?

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Date: Sun, 4 Sep 1994 10:15:27

From: ihnp4.ucsd.edu!swrinde!gatech!udel!news.sprintlink.net!indirect.com!s203.phxslip.indirect.com!jmoore@network.ucsd.edu

Subject: pizza reflectors? or bunk?

To: info-hams@ucsd.edu

In article <1994Sep2.130707.18@lrc> white\_da@lrc.edu writes:

>From: white\_da@lrc.edu

>Subject: pizza reflectors? or bunk?

>Date: 2 Sep 94 13:07:07 EDT

>       This might seem a bit strange, but last night I put one  
>of those microwave pizzas in and nuked it for the appropriate  
>time. Upon removal from the microwave I noticed that the crust  
>was a little browner than it was before. The box said that the  
>pizza was packed on a special browning tray that to me looked  
>like a piece of aluminized cardboard, or heavy paper stock.

>       So my question is what is this little tray made out of  
>and just what does it do? Does it just reflect the microwaves,  
>in which case it really does nothing because the bottom of the  
>oven is going to do that or does it focus the radiation. Or does  
>it just get really hot and brown the crust that way? I almost  
>could not get to sleep last night thinking of this. Some one  
>please help

>       Respond here or E-mail me at

>

My guess is that is a material that absorbs the microwave energy better than  
pizza, so it gets hotter on the bottom and browns the pizza.

PS, for fun, put a big chunk of graphite (such as a carbon arc rod) in a  
microwave and fire it up. Don't let your wife see you do it. I'm not  
responsible for the consequences. I have done it.

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Date: 4 Sep 1994 19:35:31 GMT

From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!gatech!udel!news.sprintlink.net!  
dolphin.phoenix.net!phoenix.phoenix.net!biekert@network.ucsd.edu

Subject: Repeater Controller

To: info-hams@ucsd.edu

We have a Maggiore Electronics Controller which uses a 63P01M1 Processor  
with plug in EPROM.

I have the source code for this beast and would like to compile it with some  
changes we want. (We have the executable in EPROM with factory preset options)

So I am on a quest to find a PC based (read DOS) assembler for this 6301.

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Date: Sun, 4 Sep 1994 15:27:55 +0000

From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!gatech!udel!news.sprintlink.net!  
demon!arkas.demon.co.uk!Michael@network.ucsd.edu  
Subject: What is an ELMER?????  
To: info-hams@ucsd.edu

In article <CvIG1B.MqH@boi.hp.com> smt2@boi.hp.com "smt2 test tech login" writes:

> Is it anything like a person who helps another learn the finer points of  
> amateur radio.(Elmer just sounds so outdated, kinda like tubes in mobile  
> radios)

I first saw the term in the 1980 ARRL handbook ... it doesn't get used in vk  
(or over here as far as I understand). Until I'd read some postings about it  
recently, I'd always thought that it was an \*old\* amateur radio term ... of  
similar ilk as "old man".

73's

--

Mike Dower

G0VEY

VK2ENG

'Quoth the raven, "Never more".' ... Poe

-----  
Date: 4 Sep 1994 09:52:09 -0400

From: noc.near.net!shore.shore.net!shore.shore.net!not-for-mail@uunet.uu.net

Subject: Which is the "best" flea market?

To: info-hams@ucsd.edu

As a ham radio flea market "junkie" I am always interested in exchanging  
information about good places to go. I am interested in knowing your  
favorites - judged from the quality of stuff, friendliness of vendors,  
lack of non-related junk, low prices, nice venue, etc,

My nomination is The Hosstraders Tailgate swapfest held in May and  
October at the Rochester NH Fairgrounds - this time is October 7th and  
8th. This flea market used to be held at the Deerfield NH Fairgrounds  
for many years (and in fact the event is still referred to as  
"Deerfield") and has consistently been a great place to buy, sell and  
trade electronic stuff. The original Hosstraders, Norm WA1IVB, Joe K1RQG  
and Bob W1WGU are still running the show with all profits going to the  
Shriners Hospital Burns Unit in Boston. Gates open at 9:00 AM on Friday  
October 7th and you'll have to pay \$20.00 until 3PM when the admission  
drops to \$5.00. The festivities go on well into the wee hours with  
parties, music and lots of fun, stuff and socializing. There are a few  
great parties on site and everybody's welcome. I have attended fleas all  
over the country and the Hosstraders parties are without question the

best. AM enthusiasts are plentiful and the dean of Yay-em, Tim WA1HLR is always in attendance. Go get there take I-95 North to Portsmouth, then the (Captain) Spaulding Turnpike (RT-16) to Exit 13 - turn right and follow the traffic to the Fairgrounds.

I'd be very interested in hearing about other hamfests, flea markets, etc that are good by the same criteria.

73 to all "stuff" junkies!

Michael Crestohl  
KH6KD/W1  
VE2XZ/W1

Nahant Massachusetts

mc@shore.net

-----  
Date: 5 Sep 94 03:23:37 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Zia Information  
To: info-hams@ucsd.edu

I need some info on the Zia Connection.  
I'm familiar with what the ARRL Repeater Directory says about it, but rumor has it that there is a connection to it in Colorado Springs (what freq?), and I'm wondering if it extends into San Diego, CA (again, what freq, if any?).  
Any info forthcoming will be greatly appreciated.

Thomas P. Denny III  
N0WVU  
tdenny@bigcat.missouri.edu  
aw961@freenet.hsc.colorado.edu  
ua452@fim.uni-erlangen.de  
Guantanamo Bay, Cape Hatteras, Flagstaff, Phoenix, Corvallis,  
Tucson, Vallejo, Golden, Etc.  
"Life is Like a Sewer, What You get out of It depends upon  
What You put into It." -- Tom Lehrer

-----  
Date: (null)  
From: (null)  
Anyone know where I can scrounge one of these or other ideas?

Thanks, and the users of the KA5GLX/R will thank you too!  
Bob

--

Robert E. Biekert    KA5GLX    Houston, Texas  
Email:   biekert@phoenix.phoenix.net

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End of Info-Hams Digest V94 #994  
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